

Amendments to the Claims

Please amend Claims 1, 2, 3, 4, 5, 6, 8, 11, and 13 to read as follows.

Please add Claims 14 and 15 to read as follows.

A' 1. (Currently Amended) A magnetic device having a layer containing fine pores and having wirings on both faces of the layer formed on a substrate, wherein ~~at least a part~~ each of a first group of the pores ~~are~~ is filled with a ~~body layered column~~ formed by alternately stacked ~~stacking~~ magnetic layers and nonmagnetic layers ~~alternately~~, and ~~at least a part~~ each of a second group of the pores different from the first group is filled with a conductive material column and serves as a writing wire ~~wires~~ for writing into the magnetic layers in the ~~adjacent pores~~ first group, and the second group is surrounded by the first group.

2. (Currently Amended) The magnetic device according to claim 1, wherein the fine pores are nano-holes ~~of~~ in alumina formed by anodic oxidation.

3. (Currently Amended) The magnetic device according to claim 1, wherein a ~~part~~ third group of the pores different from the first and second groups serves ~~serve~~ to intercept a magnetic field.

4. (Currently Amended) The magnetic device according to claim 3, wherein the third group of pores serving to intercept the magnetic field ~~surround~~ surrounds a unit cell.

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5. (Currently Amended) The magnetic device according to claim 1, wherein each of the magnetic layers ~~layer~~ contains Co, and each of the nonmagnetic layers ~~layer~~ contains Cu.

6. (Currently Amended) The magnetic device according to claim 1, wherein the pores of the second group contain ~~writing wire contains~~ Cu.

7. (Original) The magnetic device according to claim 1, wherein the pores are arranged in a honeycomb arrangement.

8. (Currently Amended) The magnetic device according to claim 7, wherein the pores of the first group ~~filled with the layered column~~ surround the pores of the second group serving as the writing wires ~~wire~~.

9. (Withdrawn)

10. (Original) The magnetic device according to claim 1, wherein the pores are arranged in a rectangular array.

11. (Currently Amended) The magnetic device according to claim 10, wherein the pores of the first group ~~filled with the layered column~~ surround the ~~pore~~ pores of the second group serving as the writing wires ~~wire~~.

12. (Withdrawn)

13. (Currently Amended) The magnetic device according to claim 1, wherein the ratio of ~~the~~ a sectional area S (cm^2) of ~~the pore~~ each of the pores and ~~the~~ a length L (cm) of ~~the pore~~ each of the pores ~~satisfy~~ satisfies the relation:

$$10^5 < L/S < 10^8$$

14. (New) A magnetic device comprising:
a recording portion comprised of pores;
a first group of pores filled with a body formed by alternately stacked magnetic layers and nonmagnetic layers; and
a second group of pores filled with a conductive material for producing a magnetic field,
wherein the magnetic layers in the first group are magnetized by the second group and the first group is within the magnetic field produced by the second group.

15. (New) A memory cell for having information of a bit comprising:
a first region for producing a magnetic field; and

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a plurality of independent second regions being within the magnetic field
produced by the first region,

wherein the second regions have magnetic material and the magnetic
material is magnetized by the first region.
